

# **Colliery Guardian**

**Queensway House, 2 Queensway,  
Redhill, Surrey RH1 1QS**

**General Index to Volume 223**

**January to December 1975**



## A

ABMEX Activities, 446  
 ABMEX in the U.S.S.R. 409  
 Accidents at Coal Mines, 97, 142, 231, 376  
 Accidents in 1974, 376  
 Accurate Tunnelling at Henderson Mine, 403, 404  
 Advanced Haulage System, 393  
 Agency for Landay Drilling Supplies, 84  
 Aid for U.K. Coal Research, 113  
 Air Conditioning for Mechanical Drifting, 234  
 Air Conditioning Plant for Bevercotes Underground, 45  
 Air Velocities Along Coal Face, 27  
 Alternative Energy Sources, 45  
 Anhydrite Packing, 55  
 Annual Report of H.M. Chief Inspector, 371  
 Annual Review, Colliery Guardian, 373  
 Anti-Derailment Device, 251  
 Anti-Flame Barriers: New Regulations, 53  
 Artic Tipper, 272  
 ASEA Equipment for Iran, 409  
 ASEA Orders from Poland, 61  
 Australian Coal Mining, 234  
 Australian Coal Reserves, 478, 479  
 Australian Coal Scene, 220  
 Australian Power Station - Conveyor for, 61

## AUTHORS

Arguile, R.T., 46  
 Armstrong, M.P., 162  
 Brent-Jones, E., 209  
 Collins, H.E., 34, 63, 86, 120, 171  
 Collinson, J.L., 92  
 Davison, D.J., 176  
 Doye, Peter., 143, 270, 476  
 Dunn, R.B., 140  
 Edwards, G.E., 220  
 Edwards, J.B., 28  
 Gosnell J.M., 396, 398, 399, 400, 402  
 Hands E.H. Black G.A., 381, 382, 383  
 Kenny, P., 244  
 B. Roebuck, 53  
 Rolfe K., 134  
 Round, C.L., 128  
 Siddall, N., 182  
 Stones, B.W., 13  
 White, C.J., 83  
 Whitworth, K., 78  
 Williams, P., 235  
 Wilson, J.C., 248  
 Wright, D.M., 235

## B

Babbington Colliery, 468  
 Banded Dispensers, 11  
 B.C. Coal Developments, 233  
 B.C. Coal Project, 7  
 Belt Weighing System, 84  
 Bersham Achievement, 203  
 Blaenau Colliery, 77  
 Book Reviews, 42, 133, 152, 383, 446, 452  
 Brake Linings, Moulded Type for Mine Winders, 381, 382, 383  
 British Firm to Market German Fans, 409  
 British Success in Canada, 4  
 British Supports Chosen, 115  
 Brodsworth - 50 Years At: 83  
 Brora Mine, 76, 154  
 Brown Coal in Victoria, 379  
 Brown Lenox Jaw Crusher, 161

## C

Cable Protection by Pressurisation, 24  
 Cable Stripping Machines, 224  
 Cable Support System Co., 60  
 Canadian Coal for Japan, 203  
 Cardiff Distributor for M.T.C., 84  
 Career Prospects in Coal Mining, 71  
 Chainless Haulage Exhibition, Swadlincote, 427, 428, 431, 432, 435, 436, 437, 438  
 Chain Lubricant, 159  
 Change of Address, 61, 119  
 Chemical Service Engineers, 218  
 CISWO Educational Grants, 438  
 Clean Fuels from Coal, 226  
 Coal Board Sells Methane, 45  
 Coal Development in Alberta, 115

Coal Export Potential, 378  
 Coal Export Price Fixed, 155  
 Coal Exports, 45

## COALFIELD NEWS

**Kent Area**  
 N.C.B. Chairman in Kent, 378  
**Midlands Area**  
 Bretby Extension Scheme, 482  
 Coal Loading Systems, 232  
 Coal Prices, 77  
 Electric Trains for Shirebrook, 115  
 John King Memorial, 496  
 Lea Hall Output Record, 377  
 Lea Hall Production, 114  
 Lord Mayor of London at Daw Mill, 202  
 Miners Need More Homes, 7  
 Moroccan Mining Engineers at Daw Mill, 114  
 N.C.B. Chairman at Westthorpe, 416  
 New Shearer Reduces Dust, 377  
 Newstead Tunnelling Project, 155  
 Opencast, 232, 377  
 Opencast, 416  
 Plans for New Colliery, 155  
 Production Record, 7  
 Rapid Loading Installations, 232  
 Recovery Work at Rawdon, 416  
 Renishaw Colliery Access Tunnel, 416  
 Retreat Mining at Arkwright, 155  
 Rufford Colliery, 378  
 Silverdale Drift Scheme, 155  
 Sir Derek Ezra at Westthorpe, 378  
 Trial Borings, 202  
 Tunnelling Record, 481  
 Underground Air-Conditioning Plant for Bevercotes, 45  
 Whitwell Colliery Developments, 232

**North East Area**  
 Dawdon Tunnelling Machines, 6  
 Derwentside Opencast Inquiry, 232  
 Eppleton Colliery Celebrations, 202  
 Exports of Colliery Shale, 416  
 Horden - Blackhall Colliery Link, 232  
 Lunemouth/Ellington Developments, 6  
 Opencast, 416  
 Opencast at Butterwell, 378  
 Opencast Inquiry, 154  
 Opencast Inquiry at Morpeth, 76  
 Production Boost, 154  
 Record Outputs, 114  
 Tunnelling Record, 6  
 Wages by Bank Transfer, 232  
 Whitburn Workshops Open Day, 232

**North West Area**  
 Energy Industries - Sir Derek's Optimism, 45

**Scotland**  
 Brora Mine, 154  
 Brora Mine, 76  
 Coal's Export Potential, 496  
 Energy Conservation, 44  
 Five Bings Disappear, 154  
 Five Opencast, 114, 154  
 Fire Safety Idea, 154  
 First-Aid Competition, 76  
 First-Aid Trophy, 202  
 Forth Coal Finds, 496  
 Forth Valley Mining, 6  
 Future Plans for Coal, 114  
 Gas from Coal Again, 6  
 Impact Rippers for Scottish Pits, 154  
 Killoch Colliery, 114  
 Killoch Safety Award, 44  
 Longannet, 481  
 Longannet Record, 114  
 Lothian Coal Search, 6  
 Mine Museum, 416  
 Miners Switch Pits, 496  
 Mining in Pentland, 6  
 N.C.B. Plan £10M. Pit, 154  
 New Company, 416  
 New Investment, 232  
 New Opencast, 233  
 New Supports at Seafeld, 76  
 Opencast, 76, 377, 416, 481  
 Opencast Extension, 202  
 Output Record, 44  
 Recruiting Drive, 202  
 Rescue Station Competition, 6  
 Safety Lamp Demonstrator, 481

Solsgirth Production Record, 76  
 Test Bore in West Lothian, 481

**South Wales**  
 Blaenau Colliery, 77  
 Coal Export Potential, 378  
 Colliery Shale for Roadbuilding, 484  
 Expanding the Mining Industry, 482  
 Ogilvie Colliery Closure, 77  
 Pit and Village Tidiness Competition, 378  
 Rail Transport, 496

**Western**  
 Bersham Achievement, 203  
 Fire Fighting Contest, 481  
 Haig Development Scheme, 115  
 Holditch Records, 378  
 Output and Productivity Records, 496  
 Output Record, 155  
 Output Records, 481  
 Pit Complex, 233  
 Productivity Records, 203, 233  
 Productivity Record, 481  
 Roadway Record, 496  
 Safety Competition, 481

**Yorkshire**  
 Coal Board Sells Methane, 45  
 Coking Plant Trouble, 496  
 Colliery May Become Museum, 416  
 Developments at Yorkshire Main, 115  
 Dust Sampling at Selby, 7  
 Harworth Colliery, 416  
 Hickleton Colliery, 44  
 Houghton Main Explosion, 233  
 Inspectorate District Merger, 155  
 Lofthouse Disaster Memorial, 77  
 Manton Colliery, 44  
 Mine Consultants for Selby Inquiry, 76  
 New Drift Mine at Pontefract, 377  
 New Preparation Plant, 377  
 Paddy Mail Train Crash, 202  
 Royal Visit to Silverwood, 233  
 Slagheap Research, 44  
 Thorne Colliery, 377  
 Watching Selby Developments, 416  
 Yorkshire Main Colliery, 77

Coal Fired Boiler Plant, 534  
 Coal for Export, 156, 379  
 Coal Gasification, 458  
 Coal Grinding Mill Foundation, 160  
 Coal in South Australia, 379  
 Coal in Yakutia, 7  
 Coal Loading Systems, 232  
 Coal Mine - New, 45  
 Coal Mining Developments, 379  
 Coal Plant - New Oil From, 7  
 Coal Plough Remote Control, 56  
 Coal Price Increase, 379  
 Coal Prices, 77  
 Coal Production, 155, 156, 379  
 Coal Research - Aid for U.K., 113  
 Coal Reserves, 115  
 Coal's Great Chance, 71  
 Coal Statistics, 43, 73, 113, 153, 231, 373, 455, 495  
 Coal Trade, 5, 73, 113, 153, 373  
 Coke Ovens, 373

## COMMENT

Annual Report of H.M. Chief Inspector, 371  
 Beware, 454  
 Blast Off, 4  
 British Success in Canada, 4  
 Brussels Sprouts E.E.C. Variety, 413  
 Career Prospects in Coal Mining, 71  
 Christmas Greetings, 493  
 Coal Mines (Respirable Dust) Regulations, 414  
 Coal's Great Chance, 71  
 Colliery Guardian Annual Review, 373  
 Co-Operation, 453  
 Count Down, 3  
 Dust Hazard in Coal Mines, 111  
 Energy-Brake or Break, 494  
 Energy Conference, 373  
 Energy - Long Term Planning? 151  
 Flaming June 1975, 229  
 Flixborough Disaster Report, 229  
 Glamorgan Polytechnic, 494  
 Health and Safety at Work, 41  
 Houghton Main Accident Inquiry, 372  
 I. Min. E. Conference 1975, 199

Mineworkers Pension Scheme, 494  
Mining Accidents, 455  
Mining in the South, 152  
M.Q.B. Examinations, 373  
N.C.B. Apprentices' German Vixit, 372  
New Spirit, 111  
Pneumococcal Control, 151  
Pricing, 453  
Queen's Award for Anderson Mavor, 200  
Reflections, 3  
Robens Coal Science Lecture, 372  
Routh Justice, £6. of, 371  
Seasonal Greetings, 3  
Selling Britain Short, 453  
Strata Control Conference, 494  
Structure of the N.C.B., 415  
Telford New Town, 454  
U.S.A., 454  
U.S.S.R., 454  
Whither? 199  
Whither, SMRE, 493  
Communications Through Falls of Ground, 53

#### **COMPANY NEWS**

ABMEX In The U.S.S.R., 409  
Air Motors Booklet, 432  
Artic Tipper, 272  
ASEA Change of Name, 465  
ASEA Orders from Poland, 61  
Automatic Control Training, 531  
Belt Weighing System, 84  
BICC Ltd., 423  
BICC Reorganisation, 12  
Big N.C.B. Order for Head Wrightson, 466  
Boart Hardmetals, 423  
Breco Conveyor & Shiploader Contract, 423  
British Firm to Market German Fans, 409  
British Ropes' Head Office, 531  
Brown Lenox Jaw Crushers, 161  
Cable Support Systems, 61  
Calcium Chloride Sticking Cartridges, 466  
Cardiff Distributor for M.T.E., 84  
Change of Address - Fives Lille Cail, 61  
Changes of Address, 119  
Chemical Service Engineers, 218  
Coal Preparation, 465  
Coal Preparation Plant Order, 465  
Conservation, 272  
Conveyor Belts, 12  
Conveyor for Australian Power Station, 61  
Conveyor Belting Contracts, 161  
Dexion Conveyors Booklet, 218  
Diesel Generators, 161  
Dowty Equipment for South Africa, 84  
Dumper Trucks for Liberia, 161  
Dust Control, 423  
Eriez Irish Agents, 218  
Export Order for Gullick Dobson, 119  
Fairley Filtration Distributor for Yorkshire, 423  
Five Cial-Babcock, SA, 423  
Five Lille Cail New Offices, 119  
G.E.C. Contract for Peruvian Mine, 119  
Geothermal Prospecting Firm Moves, 119  
Greenham Reorganisation, 119  
Ground Anchors for Coal Hopper, 218  
Gullick Dobson in Russia, 423  
Gullick Dobsons Export Company, 466  
Gullick Dobson Supports for Australia, 61  
Gullick Dobson Win Mexican Order, 465  
Gullick Roof Supports for U.S.A., 466  
Ingersoll Rand Expansion Programme, 423  
Japanese Agreement for MTE, 61  
Joy Acquire East Kilbride Plant, 218  
Lift-Truck Driver - Training Courses, 272  
Lindleys Move into Plastics, 218  
Longlived Conveyor Belting, 161  
Mine Installation Contract, 531  
Minerals Engineering, 12  
Mining Equipment for Peru, 61  
M.T.E. Appoints Bradford Distributor, 423  
Name Change for P.D. Technical Services, 12  
N.C.B. Chairman Visits Gullick's, 409  
N.C.B. Contracts, 218, 272, 409, 423  
N.C.B. Skip Plant Contract, 218  
New Agents for Compair, 84  
New Chessel Division, 161  
New Depot, for Thos. W. Ward, 272  
New Factory for Eriez, 161  
New Gullick Dobson Agents, 465  
New Office for Newman Industries, 12  
New Offshore Company, 161

New Outlet for Hydrabrakes, 423  
New Ward Agency, 218  
Offshore Drilling Rig, 119  
Opencast Contract, 12  
Ottermill Group, 119  
Own Mfg. Moves Headquarters, 465  
Perard Entertain Coal Queens, 409  
Photoin Change of Address, 84  
Pumps and Water Jetting Equipment, 61  
Queen's Awards, 161  
Rambold Measuring Equipment, 272  
Royal Visit to Atlas Copco, 409  
Russian Diploma for Gullick Dobson, 466  
Seismic Cables, 119  
Service to Mining Exploration, 531  
Simplex Locomotives for Zambian Mines, 218  
Spray Nozzles, 84  
Swansea Distributor for MET Components, 466  
Swansea Distributor for MET Components, Ltd., 531  
Tunnelling Machines, 409  
U.S. Mining Delegation Visit Anderson Mavor, 409  
Wallacetown Companies, 466  
"Walsall" in South Wales, 61  
Winding Ropes for Russia, 466  
Wire Rope Safety, 218  
Woden Screening Plant for Ghana, 272

#### **COMPANY PROFILE**

Mining Supplies Ltd., Group, 419  
R.B. Bolton (Mining Engineers) Ltd., 456, 457, 458  
Robey of Lincoln Ltd., 521, 522  
Computer Methods in the Mineral Industries, 422  
Conservation, 272  
Continuous Monitoring of Mine Gases, 13  
Convergence Studies in a Hydraulically Stowed Multi-Lift Longwall Panel, 474, 475, 476  
Conveyor Belting, 118  
Conveyor Belting Contracts, 161  
Conveyor Belts, 12  
Conveyor for Australian Power Station, 61  
Correspondence, 152  
Corrosion Protection of Powered Supports, 244  
Cutting Boom, 268  
  
**D.**  
Dawdon Tunnelling Machine, 6  
Derek Ezra Lecture, 112  
Derwentside Opencast Inquiry, 232  
Development of First Aid in Coal Mines, 443, 444, 445, 446  
Development of the Kent Coalfield, 510-515  
Developments at Yorkshire Main, 115  
Developments in Mining Machinery, 396, 398, 399, 400, 402  
Dexion Conveyor Booklet, 218  
Diesel Generators, 161  
Dinting at Maltby by Eimco Loader, 241  
Discharge of Filler Cake, 224  
Dowty Equipment for South Africa, 84  
Drill Rods and Bits, 104  
Dry Fines Screening, 162  
Dumper Trucks for Liberia, 161  
Dumper Trucks, 59  
Dump Trucks, 268  
Dump Trucks from Japan, 118  
Dust Cap, 118  
Dust Collectors, 269, 406  
Dust Hazard in Coal Mines, 111  
Dust Helmet, 105  
Dust Sampling at Selby, 7  
Dust Sampling Kit, 159  
Dust Sampling with the Continuously Recording Instrument Simslin, 532, 533

#### **E.**

E.E.C. Research Grants, 383  
Eight Year Hitch, 230  
Eimco Loader at Dawdon Colliery, 189  
Electric Trains for Shirebrook, 115  
Electronic Equipment Promotes Safety in Coal Mines, 534  
Energy Conference, 373  
Energy Conservation, 44  
Energy Industries. Sir Derek's Optimism, 45

Energy - Long Term Planning? 151  
Energy Sources - Alternative, 45  
Environmental Control at Morton Colliery, 257  
Eppleton Colliery Celebrations, 202

#### **EQUIPMENT**

Air Cooking Equipment for Mines, 464  
Ambulance Conversion Vehicle, 464  
Ash Handling Plant, 462  
Avery Parsons Belt Weigher, 463  
Banding Dispensers, 11  
Beadless Tyres, 449  
Boom Angle Indicator, 462  
Bray Pivot Steer, 462  
Cable Gland Termination, 463  
Cable Stripping Machines, 224  
Cable Support System, 60  
Centaur, 30, 449  
Centrifugal Pump, 462  
Chain Lubricant, 159  
Coalface Roof Supports, 465  
Coal Grinding Mill Foundation, 160  
Colliery Roof Support Kits, 527  
Conveyor Belting, 118  
Cutting Boom, 268  
Data Collection System for Tunnelling Machine, 461  
Discharge of Filter Coke, 224  
Dumptrucks, 59, 268  
Dump Trucks from Japan, 118  
Dust Caps, 118  
Dust Collectors, 269, 406  
Dust Helmet, 105  
Dust Sampling Kit, 159  
Euclid R-50 Hauler, 405  
Flameproof Air Compressor, 116  
Gasket Eliminator, 58  
Gas Monitor, 106  
Gas Sample Analysis, 528  
Generating Sets, 463  
Gravity Thickener, 268  
Green Coke from Coal, 407  
Hevipruff Floor Covering, 461  
Hexagonal Hose, 224  
High Tensile Wire for Screens, 527  
Hopper Weighers, 116  
Hose Couplings, 106  
Hose End Meter, 116, 529  
Hose Fittings, 59  
Hydraulic Control Systems, 60  
Hydraulic Drill, 528  
Hydraulic Hand Drill, 529  
Hydraulic Power Feed Drill, 106  
Industrial Safety Clothing, 268  
International Pay Loader, 268  
Jaw Crushers, 106  
Joy Continuous Miner, 267  
Joy Continuous Miner for Poland, 159  
Knee Pads, 268  
Kue-Ken Crusher, 407  
Large Dozer, 60  
Lighting for Opencast Sites, 106  
Lining for Coal Bunkers, 461  
Load Cells Improve Coal Control, 529  
Loco Controlled Loco, 530  
Long-Life Wire Ropes, 408  
Manitowoc Dragline, 464  
Material Handling, 449  
Megator Booster Sets, 529  
Meter for Anemometer, 462  
Methane Detector, 408  
Mine Paving System, 527  
Mine Roof Support Legs, 59  
Mobile Stackers, 105  
Muir-Hill Tractor Hauls Drilling Rig, 406  
Multi-Loading Machine, 465  
New Caterpillar Equipment, 116  
New Generator, 462  
New Hydrex Drilling Rig, 464  
New Jetflow Airmover, 461  
New Plant for Joy Mfg., 466  
N.C.B. Approval for Dunlop Belts, 407  
New Epoxy Resin, 267  
New Equipment from Pyott-Boone, 160  
New Joy Bunker Car, 269  
New Mining Explosive, 267  
Oil Purifiers and Filters, 463  
Ore Haulage by Euclid R-170, 407  
Penetrating Lubricant, 105  
Polyester Anchor Fixing Resin, 58  
Portable Blast Boom, 529  
Portable Mine Phone, 268

Power Washer, 160  
 Pressure Regulator, 463  
 Pressure Switch, 530  
 Production and Event Recording, 463  
 Pump for Opencast Working, 405  
 P.V.C. Hose, 106  
 Rail Car Control Unit, 10  
 Reinforced Plastic Hose Couplings, 408  
 Re-Signing N.C.B. Collieries, 117  
 Resin Waterproofer, 408  
 Rock Bolt Drilling, 160  
 Rotary Screw Compressors, 528  
 Rotation Monitor, 11  
 Rough Terrain Forklift, 529  
 Rubber Lining for Dump Trucks, 449  
 Safer Shearer Haulage, 405  
 Safety Helmet, 106  
 Scandura Belting under the Sea, 464  
 Schwarz-Holywell Drill Base, 408  
 Screw Pumps, 60  
 Sludge Pump, 159  
 Sludge Tanker, 60  
 Spanners, Socket Sets from J.P.I., 463  
 Swop Bodies, 406  
 Terradrill at Hem Heath, 406  
 Titanium Load Cells, 269  
 Transducers (CEL)'S Load Cells Contract, 526  
 Tunnel and Ripping Face Support, 464  
 Tunnelling Rate Prediction, 106  
 Underground Mucking System, 10  
 Vacuum Belt Filter, 117  
 V-Cut Spanners, 118  
 Vulcanisers, 10 Weigh Feeders, 118  
 Whessoe Grinding Mill, 405  
 Eriez Irish Agents, 218  
 Euclid R-50 Hauler, 405  
 European Loan to N.C.B. 200  
 Export Order for Gullick Dobson, 119

## F.

Face Support, 469  
 Fife Bings Disappear, 154  
 Fife Opencast, 114, 154  
 Fifty Years at Brodsworth - A Half-Century of Progress, 83  
 Finance & Trade - Approaching the Falls, 143  
 Finance and Trade - Sombre Prospects Still, 476, 478  
 Fire Safety Idea, 154  
 First-Aid Competition, 76  
 First-Aid Trophy, 202  
 Five Lille Cail - Change of Address, 61  
 Five Lille Cail New Offices, 119  
 Flameproof Air Compressor, 116  
 Flaming June 1975, 229  
 Flixborough Disaster Report, 229  
 Forth Valley Mining, 6  
 Future of Opencast Mining, 8  
 Future Plans for Coal, 114

## G.

Gas Detection Equipment, 97  
 Gas from Coal Again, 6  
 Gasket Eliminator, 58  
 Gas Monitor, 106  
 Gas or Liquid Fuel from Coal, 383  
 G.E.C. Contract for Peruvian Mine, 119  
 General Industry, 373  
 Geothermal Prospecting Firm Moves, 119  
 Germans Making Inroads, 447, 448  
 Glossary of Mining Terms, 73  
 Gravity Thickener, 268  
 Green Coak from Coal, 407  
 Greenham Reorganisation, 119  
 Ground Anchors for Coal Hopper, 218  
 Growing Importance of Coal, 156  
 Gullick Dobson Supports for Australia, 61

## H.

Haig Development Scheme, 115  
 Health and Safety at Work, 41  
 Hexagonal Hose, 224  
 Hickleton Colliery, 44  
 "HighSpeed" Ploughing, 248  
 Hopper Weighers, 116  
 Horden-Blackhall Colliery Link, 232  
 Hose Couplings, 106  
 Hose-End Meter, 116  
 Hose Fittings, 59  
 Houghton Main Accident Inquiry, 372

Houghton Main Explosion, 233  
 Hundred Years Ago, 4, 42, 72, 112, 153, 251  
 Hydraulic Control of Systems, 60  
 Hydraulic Mining, 115  
 Hydraulic Power Feed Drill, 106

## I.

Impact Rippers for Collieries, 27  
 Impact Rippers for Scottish Pits, 154  
 Industrial Safety Clothing, 268  
 Inspectorate District Merger, 155  
 Instrumentation and Automation in Mining, 104  
 International Mining Congress, 531  
 International PAY Loader, 268

## J.

Jack Charrington Fellowship, 267  
 Japanese Agreement for M.T.E., 61  
 Jaw Crushers, 106  
 Joy Acquire East Kilbridge Plant, 218  
 Joy Continuous Miner, 267  
 Joy Continuous Miner for Poland, 159

## K.

Keeping Pits Tidy, 158  
 Killoch Colliery, 114  
 Killoch Safety Award, 44  
 Knee Pads, 268  
 Kue-Ken Crusher, 407

## L.

Large Dozer, 60  
 Lea Hall Output Record, 377  
 Lea Hall Production, 114  
 Leipzig Fair Exhibits, 252  
 Lens Mine - Disaster at, 7  
 Lift-Truck Driver - Training Courses, 272  
 Lighting for Opencast Sites, 106  
 Lidlleys Move into Plastics, 218  
 Lofthouse Disaster Memorial, 77  
 Longannet Record, 114  
 Long-Life Wire Ropes, 408  
 Long-lived Conveyor Belting, 161  
 Lord Mayor of London at Daw Mill, 202  
 Lothian Coal Search, 6  
 Lynemouth/Ellington Developments, 6

## M.

Manton Colliery, 44  
 Markham Colliery Reconstruction Scheme, 263  
 Methane - Coal Board Sells: 45  
 Methane Detector, 408  
 Mindev Loader at Fryston Colliery, 247  
 Mindev Loaders in Yorkshire, 68  
 Mine Consultants for Selby Inquiry, 76  
 Mine Roof Support Legs, 59  
 Miners Need More Homes, 7  
 Mines Inspectorate Merger, 383  
 Mining and Metallurgical Congress, 104  
 Mining Developments in Transvaal, 203  
 Mining Equipment for Peru, 61  
 Mining in Pentland, 6  
 Mining in the South, 152

## MINING OVERSEA

Advanced Haulage System, 393  
 Air Conditioning for Mechanical Drifting, 234  
 Air Velocities Along Coalface, 27  
 Australian Coal Mining, 234  
 Coal Plough Remote Control, 56  
 Dust Control in French Collieries, 495  
 Experience with Shield Roof Supports, 27  
 Fighting a Mine Fire by Nitrogen Injection, 473  
 Impact Rippers for Collieries, 27  
 Impact Ripper Tools, 533  
 Manpower Re-Organisation, 473  
 New French Plan for Coal, 533  
 Recent Progress in Drilling, 234  
 Road Header Experience, 234  
 Road Support Problems, 495  
 Shield Roof Support in a Thick Seam, 56  
 Teleplatform for Manriding, 27  
 Thermal Effect of Anhydrite Gate Side Packs, 533  
 Tunnelling Machine Experience, 533  
 Underground Gasification of Coal, 156

Water Influx During Shaft Sinking, 234

Mobile Stacker, 105  
 Modern Control Theory, 28  
 Mono Pumps Underground, 181  
 Moroccan Mining Engineers at Daw Mill, 114  
 MQB Examinations, 33, 43, 145, 373, 391  
 M.T.E. - Japanese Agreement for, 61  
 Muir-Hill Tractor Hauls Drilling Rig, 406

## N.

National Coal Board, 1974/75, 157  
 N.C.B. Apprentices' German Visit, 372  
 N.C.B. Approval for Dunlop Belts, 407  
 N.C.B. Chairman Visits Gullicks, 409  
 N.C.B. Contracts, 218, 272, 409  
 N.C.B. Mk 11. Large Pick Drum, 67  
 N.C.B. North Sea Drilling, 260  
 N.C.B. Plan £10 M. Pit, 154  
 National Coal Board Report, for 1974/75, 374  
 N.C.B. Skip Plant Contract, 218  
 N.C.B. Staff Superannuation, 466  
 New Agents for CompAir, 84  
 New Caterpillar Equipment, 116  
 New Chessell Division, 161  
 New Coal Mine, 45  
 New Dept. for Thos. W. Ward, 272  
 New Drift Mine at Pontefract, 377  
 New Epoxy Resin, 267  
 New Equipment from Pyott-Boone, 160  
 New Factory for Eriez, 161  
 News Investment, 232  
 New Joy Bunker Car, 269  
 New Mine Programme, 531  
 New Mines, 233  
 New Mining Explosive, 267  
 New Offshore Company, 161  
 New Opencast, 233  
 New Patents, 66, 98, 146, 274, 410, 459, 450  
 New Preparation Plant, 377  
 New Regulations - Anti-Flame Barriers, 53  
 New Sasol Plant, 45, 203  
 New Spirit, 111  
 Newstead Tunnelling Project, 155  
 New Supports at Seafeld, 76  
 New Thermal Power Stations, 115  
 New Ward Agency, 218  
 New Year Honours, 4  
 NUM Annual Conference. 384, 385, 386, 388, 389, 391

## O.

Obituary, 28, 85, 145, 273, 394, 425  
 Offshore Drilling Rig, 119  
 Ogilvie Colliery Closure, 77  
 Opencast, 76, 232, 377  
 Opencast at Butterwell, 378  
 Opencast Coal Mining, 128  
 Opencast Coal Mining in Britain the First 32 Years, 46  
 Opencast Coal Mining in Britain - Westfield Opencast Site, 78  
 Opencast Coal Mining - Land Restoration, 209  
 Opencast Coal Mining - The Future and the Environment, 176  
 Opencast Contract, 12  
 Opencast Equipment, 96  
 Opencast Extension, 202  
 Opencast Inquiry, 154  
 Opencast Inquiry at Morpeth, 76  
 Opencast Mining Equipment, 252  
 Opencast Mining - The Future of, 8  
 Ore Haulage by Euclid R-170, 407  
 Organisation of the Coal Board, 517-520  
 Ottermill Group, 119  
 Output Record, 44, 155  
 Over to You, 5

## P.

Paddy Mail Train Crash, 202  
 Patents New, 66, 98, 146, 274, 410, 459, 450  
 Penetrating Lubricant, 105  
 People, 25, 62, 84, 144, 196, 273, 393, 394, 424, 425, 520  
 Perard Entertain Coal Queen, 409  
 Peru - Mining Equipment for, 61  
 Petroleum Company's Interest in Coal, 379  
 Photoin Change of Address, 84  
 Pick Drum - N.C.B. Mk 11, Large 67  
 Pit Complex, 233  
 Plans for New Colliery, 155



Pneumoconiosis Control, 151  
 Pneumotransport, 3, 113  
 Polish Coal as Chemical Feedstock, 524, 525, 526  
 Polyester Anchor Fixing Resin, 58  
 Portable Mine Phone, 268  
 Power Washer, 160  
 Pressurisation - Cable Protection by, 24  
 Production Boost, 154  
 Production Record, 7  
 Productivity Records, 203, 233  
 Proposed Surface Arrangement at Selby N. Yorks Area, 3  
 Proposed Thermal Power Plant, 156  
 Prospects for Coal - A Mining Engineer's View, 182  
 Pump for Opencast Working, 405  
 Pumps and Water Jetting Equipment, 61  
 PVC Hose, 106

## Q.

Queen's Awards, 161  
 Queen's Birthday Honours, 243  
 Queensland Coal Production, 7, 155, 203, 233, 379

## R.

Rail Car Control Unit, 10  
 Rail Line for Coal, 379  
 Rambold Measuring Equipment, 272  
 Ram Covers, 170  
 Rapid loading Installations, 232  
 Recent Developments in the U.K., 140  
 Recent Progress in Drilling, 234  
 Record Output at Optimum Colliery, 379  
 Record Outputs, 114  
 Recruiting Drive, 202  
 Reinforced Plastic Hose Couplings, 408  
 Remote Control and Monitoring in Mining, 458  
 Rescue Station Competition, 6  
 Re-Signing N.C.B. Collieries, 117  
 Resin Capsule for Wood Dowel Reinforcement, 216  
 Resin Waterproofing, 408  
 Retreat Mining at Arkwright, 155  
 The Re-Vitalised Coal Industries, 34, 63, 86, 120, 171  
 Road Header Experience, 234  
 Robens Coal Science Lecture, 372  
 Rock Bolt Drilling, 160  
 Roof Support Return Line, 97  
 Rotation Monitor, 11  
 Rough Justice £6. of, 371  
 Royal Visit to Atlas Copco, 409  
 Royal Visit to Silverwood, 233  
 Rufford Colliery, 378  
 Russian Coal Mining Delegations, 43

## S.

Safer Shearer Haulage, 405  
 Safety Award-Killoch, 44  
 Safety Helmet, 106  
 Safety in Mines - Progress and Practice in the U.K., 92  
 Sasol Plant - New, 45  
 Schwarz-Holywell Drill Base, 408  
 Screw Pumps, 60  
 Seismic Cables, 119  
 Selby - Dust Sampling At: 7  
 Selby Inquiry, 112  
 Selby Public Inquiry, 190  
 Shield Roof Supports - Experience with: 27  
 Shiel Roof Support in a Thick Seam, 56  
 Silverdale Drift Scheme, 155  
 Simplex Locomotives for Zambian Mines, 218  
 Slagheap Research, 44  
 Sludge Pump, 159  
 Sludge Tanker, 60  
 Solgirth Production Record, 76  
 Solgirth "World" Record, 25, 260 Tons, 75  
 South African Coal Exports, 203  
 Spray Nozzles, 84  
 Standard Mobile Base for Drilling Booms, 242  
 State of the Industry: Sir Derek Ezra Reports, 157  
 Steep Seam Mining, 442  
 Strip Mining Venture, 379  
 Structure of the National Coal Board  
 Organisation of the Coal Board, 517-520  
 What R & D Will Contribute to Coal's Future, 439-442  
 Work of the Staff College, 471-3  
 Students' Competition, 43

Students Competition 1974 2nd Prize-winning paper, 13  
 Students Prize Competition 1975, 498, 499, 448  
 Sukunka Coal, 233  
 Support Aspects of Mechanised Packing Operations, 235  
 Swedish "Shuttletrains" With Haggloaders £1.25M. Order for Peru, 102  
 Swinging Sweden - Kockums Fighters, Swedish Dump Trucks, 101  
 Swop Bodies, 406

## T.

Technical Exchange Agreement, 458  
 Teleplatform for Manriding, 27  
 Terradriil at Hem Heath, 406  
 Thin Seam Mining and Dust Suppression, 501  
 Thorne Colliery, 377  
 Timber, use of in Mining, 392  
 Tirfor Exhibition, 250  
 Titanium Load Cells, 269  
 Transvaal Mining Developments, 156  
 Trial Borings, 202  
 Tunnelling Machines, 409  
 Tunnelling Rate Prediction, 106  
 Tunnelling Record, 6  
 Twenty Five Years Ago, 438, 455

## U.

Ugol '75, 253  
 U.K. Mineral Statistics, 526  
 Underground Air-Conditioning Plant for Bevercotes, 45  
 Underground Gasification of Coal, 156  
 Underground Mucking System, 10  
 U.S.A. Coal Production, 203  
 U.S.A. Market for African Coal, 156  
 U.S. Mining Delegation Visit Anderson Mavor, 409

## V.

Vacuum Belt Filter, 117  
 V-Cut Spanners, 118  
 Vulcanisers, 10

## W.

Wages by Bank Transfer, 232  
 "Walsall" in South Wales, 61  
 Water Influx During Shaft Sinking, 234  
 Weigh Feeders, 118  
 Westfield Opencast Site, 78  
 Whesoe Grinding Mill, 405  
 Whitburn Workshops Open Day, 232  
 Whitwell Colliery Developments, 232  
 Will Disaster be Averted? 270  
 Winding Engineer Brake System, 134  
 Wire Rope Safety, 218  
 Woden Screening Plant for Ghana, 272  
 World Mining Congress, 158

## WORLD NEWS

### Australia

Australia Coal Reserves, 530  
 Brown Coal in Victoria, 379  
 Coal in South Australia, 379  
 Coal Production, 155  
 Queensland Coal Production, 7, 155, 203, 233, 379  
 Rail Line for Coal, 379

### Canada

B.C. Coal Developments, 233  
 B.C. Coal Project, 7  
 Canadian Coal for Japan, 203  
 Coal Development in Alberta, 115  
 Coal Export Price Fixed, 155  
 Coal Mining Developments, 379  
 Coal Price Increase, 379  
 Conference on Coal, 417  
 Growing Importance of Coal, 156  
 G.W.S. Krupp Industries, 45  
 Higher Coal Reserves Estimate, 530  
 Hydraulic Mining, 115  
 Increased Coal Production, 417  
 New Coal Project, 417  
 Proposed Thermal Power Plant, 156  
 Sukunka Coal, 233

### France

Disaster at Lens Mine, 7

New Zealand  
 Mining Contract, 417

### Norway

New Coal Mine, 45

### South Africa

Alternative Energy Sources, 45  
 British Supports Chosen, 115  
 Coal Developments, 530  
 Coal Exports, 45, 203  
 Coal for Export, 156, 379  
 Coal Reserves, 115  
 Coal Slurry Pipeline, 417  
 Mining Developments, 417  
 Mining Developments in Transvaal, 203  
 New Oil from Coal Plant, 7  
 New Railway Line for Coal, 417  
 New Sasol Plant, 45, 203  
 New Thermal Power Station, 115  
 Record Output at Optimum Colliery, 379  
 Strip Mining Venture, 379  
 Transvaal Mining Developments, 156  
 Tweefontein Drilling, 530  
 U.S.A. Market for African Coal, 156

### Swaziland

New Mines, 233

### U.S.A.

Coal Production, 156, 203, 379  
 Petroleum Company's Interest in Coal, 379  
 U.S.A. Coal for Japan, 417

### U.S.S.R.

Coal in Yakutia, 7

### Zululand

Anthracite Field, 417

## Y.

Yorkshire Coalfield 1974-75, 185  
 Yorkshire Main Colliery, 77  
 Yorkshire - Mindev Loaders in, 68

